



NOTE THAT ON THE INITIAL SUBMISSION ONLY CLAIMS 1-13 WERE INCLUDED. ALL CLAIMS AFTER CLAIM 13 WERE SUBMITTED IN A SUBSEQUENT PRELIMINARY AMENDMENT.

14. Apparatus as claimed in claim 1, further comprising a flange positioned about and supported by the outside surface of said venturi proximate said outlet port of said venturi and with the venturi positioned in a vertical position with the inlet port on top and the outlet port on the bottom said flange extends out generally horizontally from said venturi to direct the outlet flow from said venturi along the floor of said tank and to the sidewalls of said tank.
15. Apparatus as claimed in claim 1 further comprising means for adjusting the height of the outlet port of the venturi above the floor of said tank.
16. Apparatus as claimed in claim 15 wherein said means for adjusting the height of said venturi above the floor of said tank comprises bolts threaded into the bottom of said venturi about the outlet port of said venturi.
17. Apparatus for cleaning liquid holding tanks which include at least sidewalls and a floor and as a minimum both the surface of the liquid and the bottom of the tank are cleaned simultaneously, comprising:
 - (a) a submersible pump located in the liquid in the tank, said submersible pump having an inlet port and an outlet port, said input port of said pump being exposed to the liquid in said tank and taking in said liquid in said tank when said pump is activated and discharging said liquid taken in by said pump through said outlet

port of said pump,

(b) a discharge line having a first and a second end, said first end of said discharge line being connected to said outlet port of said pump and said second end of said discharge line being located outside said tank to conduct the discharge of the liquid from said tank outside said tank,

(c) a venturi having a throat, an inlet port and an outlet port, said venturi being placed in said tank beneath the liquid in said tank, said venturi being positioned to place the outlet port of said venturi at its bottom to face generally downward towards the floor of said tank,

(d) a shunt line having a first and a second end, said first end of said shunt line being connected to said discharge line to tap into and receive a portion of the flow through said discharge line,

(e) a nozzle connected to said second end of said shunt line to receive a portion of the flow through said discharge line, said nozzle being positioned in said venturi to direct the flow of discharge liquid from said shunt line out of said venturi outlet port,

(f) means to connect and disconnect said nozzle to permit the changing of nozzles,

(g) a shut off valve connected in series with said shunt line to shut off and open the flow of liquid to said nozzle, and

(h) means to sense the level of liquid in said tank and to open and close said valve, said means to sense opening said valve at one predetermined level of said liquid in said tank and closing said valve at another predetermined level of said liquid in said tank.